



## ROPE SHOVEL

### DESCRIPTION

182M

#### Working Ranges

a) Maximum cutting height	13.04 m
b) Maximum cutting radius	17.30 m
c) Maximum dumping height	8.08 m
d) Dumping radius, maximum	14.90 m
e) Cutting depth below ground level	1.68 m
f) Radius of clean up	11.10 m

#### Machine weights

a) Shipping weight of all separate components	299,400 kg
b) Working weight	353,800 kg
c) Ballast	54,400 kg

#### Performance

a) Crowd force at peak power	21,000 kg
b) Maximum digging force	Hoist : 96,431 kg; Crowd : 37,195 kg
c) Reach at maximum digging force	14.8 m
d) Swing speed at peak power	2.65 rpm
e) Maximum swing torque	1,23,087 kg-m
f) Tractive effort at peak power	90,720 kg
g) Total cycle time For Boom - 9°	28.88 sec
For Boom 12°	28.88 sec

#### Power Ratings

a) Power voltages and frequency	6.6 kV (±10%), 50 Hz (±3%) or 3.3 kV (±10%), 50 Hz (±3%)
b) Power factor at rated load	0.90 lag or greater
c) Continuous Motor (kW) Rating	(i) Hoist 477 kW (ii) Crowd 97 kW (iii) Swing 194 kW (2 Nos. @ 97 kW each) (iv) Propel 290 kW (2 Nos. @ 145 kW each)

#### Dipper

a) Capacity and weight	10.04 cum and 18,200 kg
b) Capacity range	7 - 17 cum
Front End a) Boom length centre to centre & weight	12.24 m and 24,404 kg
b) Dipper handle effective length & weight	8.23 m and 12,859 kg

#### Crawler Mounting

a) Crawler length, standard	9.07 m
b) Crawler width, standard	6.86 m
c) Crawler belt width, standard	1.00 m
d) Crawler shoes, total number	102 nos. per machine
e) Gradeability	16.68% (9.41 degrees)
f) Number of rollers & diameter	42 rollers of 216 mm dia

Also offered :

**295 B II**

Bucket Capacity/ - 18.4 to 39 cum

**495 B**

Bucket Capacity - 30.6 to 61.20 cum